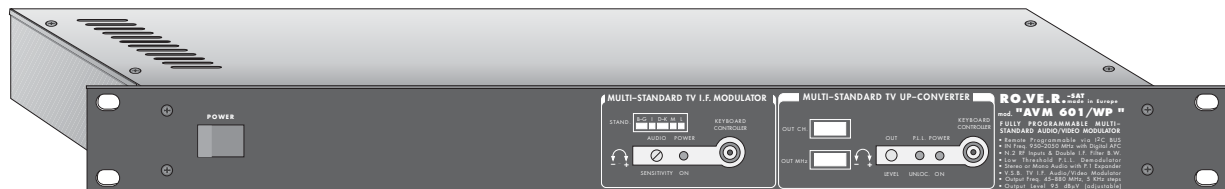




mod. "AVM 601 / P"
**FULLY PROGRAMMABLE WIDE RANGE
 AUDIO/VIDEO CHANNEL MODULATOR**
FOR ADJACENT CHANNELS UP TO 870 MHz

PRELIMINARY
 INFORMATION

- REMOTE PROGRAMMABLE VIA I2C BUS
- ALL STANDARDS AVAILABLE (B-G-I-D-K-L-M-N)
- ADJACENT CHANNEL OPERATION IN ALL BANDS UP TO 870 MHz
- AUTOMATIC LEVEL CONTROL OF VIDEO MODULATION DEPTH (A.L.C.)
- CONVENIENT FRONT PANEL TUNING CONTROLS AND ADJUSTMENTS
- P.L.L. SYNTHESIZED TUNING ASSURES FREQUENCY STABILITY
- 5 KHz FREQUENCY RESOLUTION FOR PRECISE CHAN. ALLOCATION
- SAW FILTERED FOR OPTIMUM VESTIGIAL SIDE BAND CHARACTERISTICS
- EXTERNAL I.F. LOOP-THROUGH, ALLOWS SIGNAL REPLACEMENT WITH AN ALTERNATIVE I.F. SOURCE
- PLUG-IN OUTPUT FILTER TO ASSURE THE BEST SPURIOUS REDUCTIONS
- LOW OPERATING CONSUMPTION AND TEMPERATURE



TECHNICAL SPECIFICATIONS

IF MODULATOR

RF

- **Output level:** 78 dB μ V \pm 2
- **Output impedance:** 75 Ω ("F" connector)
- **Video carrier:** 38.9 MHz X.T.L. controlled
- **Audio carrier:** 4.5-5.5-6-6.5 programmable
- **Sound/picture carrier ratio:** 14/20 dB adj. (depending on the standard)
- **Saw filter with group delay pre-correction or flat** (depending on the standard)

VIDEO

- **Video level at input:** from 0.5 to 1.5 VpV (ALC)
- **Impedance:** 75 Ω (RCA connector)
- **Differential gain:** 3% (5 max.)
- **Differential phase:** 3° (5 max.)
- **Weighted S/N:** 62 dB
- **Chrom./luminance delay:** 40 nS \pm 10 nS
- **Modulation depth:** 87.5% (with automatic level control)
- **A/V carrier ratio:** 14/20 dB adj. (depending on the standard)
- **Video response:** 25 Hz, 5 MHz \pm 1 dB

AUDIO

- **Input level:** -6/+6 dBm (adjust.) left and right paralleled
- **In. impedance:** >10 K Ω ("RCA")
- **Audio freq. accuracy:** 1 KHz
- **Audio freq. response:** 20-20'000 Hz \pm 1 dB
- **Distortion:** 0.7% typ. (1 max.)
- **Weighted S/N:** 52 dB

UP CONVERTER

RF

- **Input frequency:** 38.9 MHz
- **Gain, IF to RF:** 18 dB \pm 3
- **Output frequency range:** 45-887 MHz programmable 5 KHz steps
- **Frequency accuracy:** 1 KHz typ. (5 max.)
- **IN/OUT impedance:** 75 Ω ("F" connector)
- **Bandwidth:** 6-8 MHz (according to the standard)
- **Output level:** 95 dB μ V adjust.
- **Output ret. loss:** 16 dB typ. (12 min.)
- **Output spurious product:** 65 dB typ. (62 min.)

OTHERS

- **Power supply voltage:** 220 Vac or 110
- **RF connector:** "F" type
- **Audio/Video connector:** "RCA" (or BNC with adapter)
- **Operating temperature:** -25/+60°C
- **Relative humidity:** 90%
- **Dimensions:** 1 rack unit
485 x 185 x 45 mm
- **Weight:** 2.1 Kg

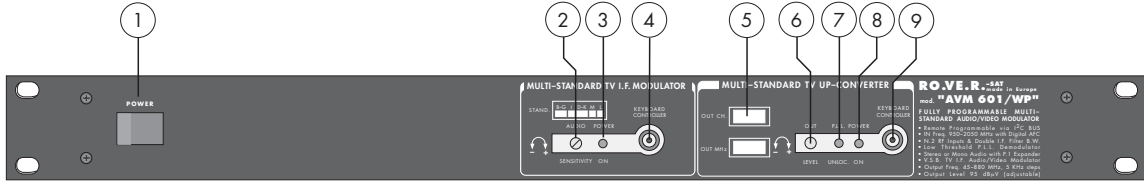
OPTIONS

- **Plug-in output filter** order separately according to the channel standard:
 - mod. "OCF 500/..." or
 - mod. "OCF 500/T..." [with traps]
- **Keyboard controller** - mod. "KBC 600" only one for all 600 series models

PRELIMINARY
INFORMATION

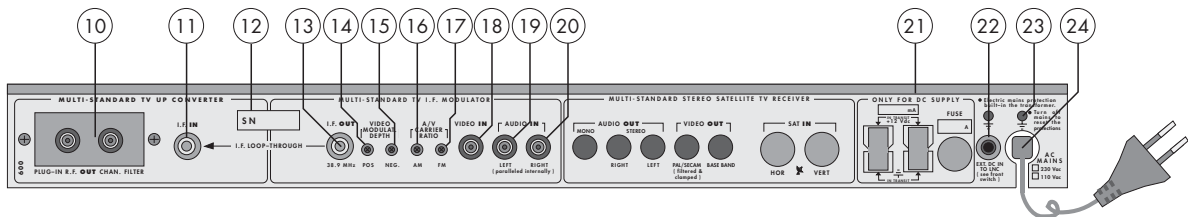
mod. "AVM 601 / F"
**FULLY PROGRAMABLE WIDE RANGE
AUDIO/VIDEO CHANNEL MODULATOR**
FOR ADJACENT CHANNELS UP TO 870 MHz

FRONT PANEL



- | | |
|---|--|
| 1 POWER ON key | 5 Output channel & frequency label |
| 2 Modulator audio sensitivity trimmer | 6 Output level adjustment trimmer |
| 3 Modulator "POWER ON" LED | 7 P.L.L. unlocked LED |
| 4 "KBC", modulator programmer connector | 8 Up-converter power on LED |
| | 9 "KBC", up-converter programmer connector |

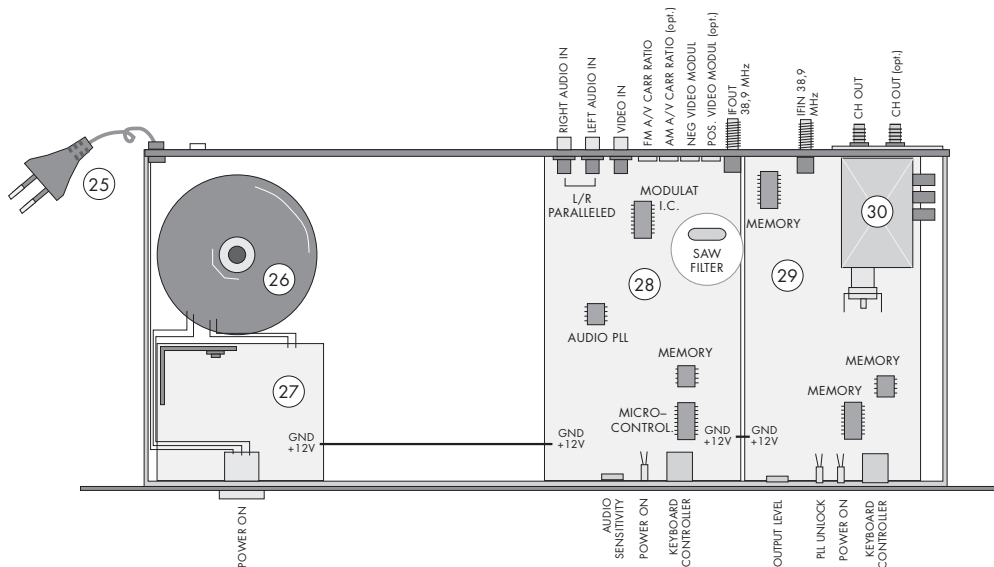
BACK PANEL



- | | |
|---|--|
| 10 Plug-in RF output channel filter (opt.) | 18 Video input ("RCA" connector) |
| 11 IF input (38.9 MHz) | 19 Left audio input ("RCA" connector) |
| 12 Serial number label | 20 Right audio input ("RCA" connector) |
| 13 38.9 MHz I.F. modulator output ("F" connector) | 21 Area for DC power supply (not in use) |
| 14 Positive video modulation depth trimmer (opt.) | 22 - |
| 15 Negative video modulation depth trimmer | 23 Ground |
| 16 AM A/V carrier ratio trimmer (opt.) | 24 Mains connection (230 Vac or 110 Vac) |
| 17 FM A/V carrier ratio trimmer | |

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INTERNAL VIEW

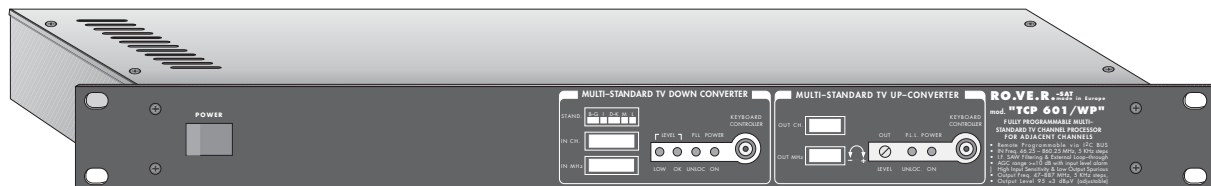


- | |
|------------------------------------|
| 25 Mains cord |
| 26 Transformer |
| 27 Switching power supply board |
| 28 I.F. modulator board |
| 29 Up-converter board |
| 30 Plug-in RF output filter (opt.) |

PRELIMINARY
INFORMATION

mod. "TCP 601 / ..."
**FULLY PROGRAMMABLE MULTI-STANDARD
 TV CHANNEL PROCESSOR**
FOR ADJACENT CHANNELS UP TO 870 MHz

- REMOTE PROGRAMMABLE VIA I2C BUS
- ALL STANDARDS AVAILABLE (B-G-I-D-K-L-M-N)
- ADJACENT CHANNEL OPERATION IN ALL BANDS UP TO 870 MHz
- DUAL HETERODYNE CONVERSION THROUGH I.F.
- CONVENIENT FRONT PANEL TUNING CONTROLS AND ADJUSTMENTS
- DUAL P.L.L. SYNTHESIZED TUNING ASSURES FREQUENCY STABILITY
- SAW FILTERED TO ASSURE EXCELLENT CHANNEL SELECTIVITY & FLAT GROUP DELAY
- 5 KHz FREQ. RESOLUTION FOR PRECISE CHANNEL ALLOCATION
- EXTERNAL I.F. LOOP-THROUGH, ALLOWS SIGNAL REPLACEMENT WITH AN ALTERNATIVE I.F. SOURCE
- PLUG-IN OUTPUT FILTER TO ASSURE THE BEST SPURIOUS REDUCTIONS
- LOW OPERATING CONSUMPTION AND TEMPERATURE



TECHNICAL SPECIFICATIONS

DOWN CONVERTER

RF

- **Input frequency range:** 45-870 MHz, programmable 5 KHz steps
- **Frequency accuracy:** 1 KHz typ. (5 max.)
- **Input impedance:** 75 Ω ("F" connector)
- **Input level range:** 50 - 80 dBμV (90 max.)
- **Output level:** 78 ±2 dBμV
- **Noise figure:** 5 dB ±2
- **A.G.C. level range:** ±15 dB
- **A.G.C. stability:** ±1 dB
- **Image frequency rejection:** ≥70 dB
- **Adjacent channel rejection:** ≥60 dB

UP CONVERTER

RF

- **Input frequency:** 38.9 MHz
- **Gain, IF to RF:** 18 dB ±3
- **Output frequency range:** 45-887 MHz programmable 5 KHz steps
- **Frequency accuracy:** 1 KHz typ. (5 max.)
- **IN/OUT impedance:** 75 Ω ("F" connector)
- **Bandwidth:** 6-8 MHz (according to the standard)
- **Output level:** 95 dBμV adjust.
- **Output return loss:** 16 dB typ. (12 min.)
- **Output spurious product:** 65 dB typ. (62 min.)

OTHERS

- **Power supply voltage:** 220 Vac or 110
- **RF connector:** "F" type
- **Audio/Video connector:** "RCA" (or BNC with adapter)
- **Operating temperature:** -25/+60°C
- **Relative humidity:** 90%
- **Dimensions:** 1 rack unit 485 x 185 x 45 mm
- **Weight:** 2.1 Kg

OPTIONS

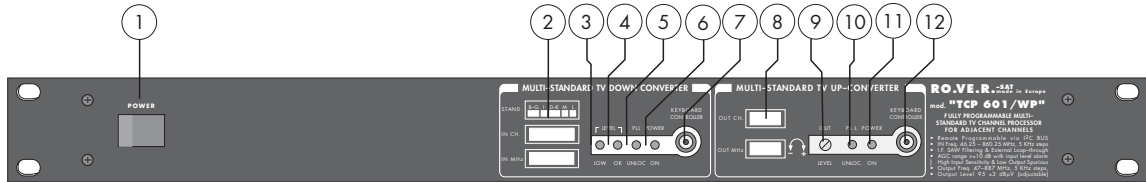
- **Plug-in output filter** order separately according to the channel standard:
 - mod. "OCF 500/..." or
 - mod. "OCF 500/T..." (with traps)
- **Keyboard controller**
 - mod. "KBC 600" only one for all 600 series models

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PRELIMINARY
INFORMATION

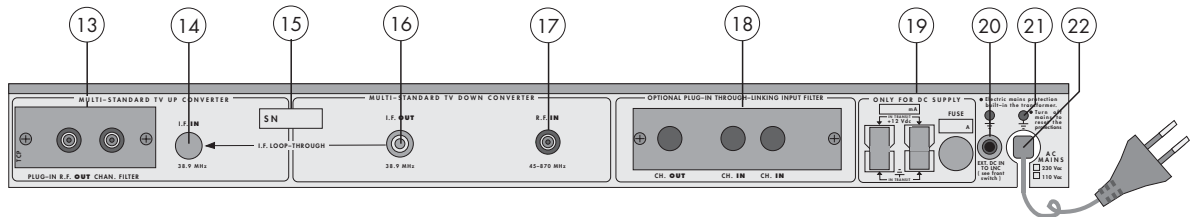
mod. "TCP 601 /..."
**FULLY PROGRAMMABLE MULTI-STANDARD
TV CHANNEL PROCESSOR**
FOR ADJACENT CHANNELS UP TO 870 MHz

FRONT PANEL



- | | |
|--|---|
| 1 POWER ON key | 8 Output channel & frequency indication label |
| 2 Input chan., freq. & standard indication label | 9 Output level adjustment trimmer |
| 3 Low input level alarm red LED | 10 Up converter P.L.L. unlocked LED |
| 4 Normal input level green LED | 11 Up converter "POWER ON" LED |
| 5 Down converter P.L.L. unlocked LED | 12 "KBC", up-converter programmer connector |
| 6 Down converter "POWER ON" LED | |
| 7 "KBC", down converter programmer connector | |

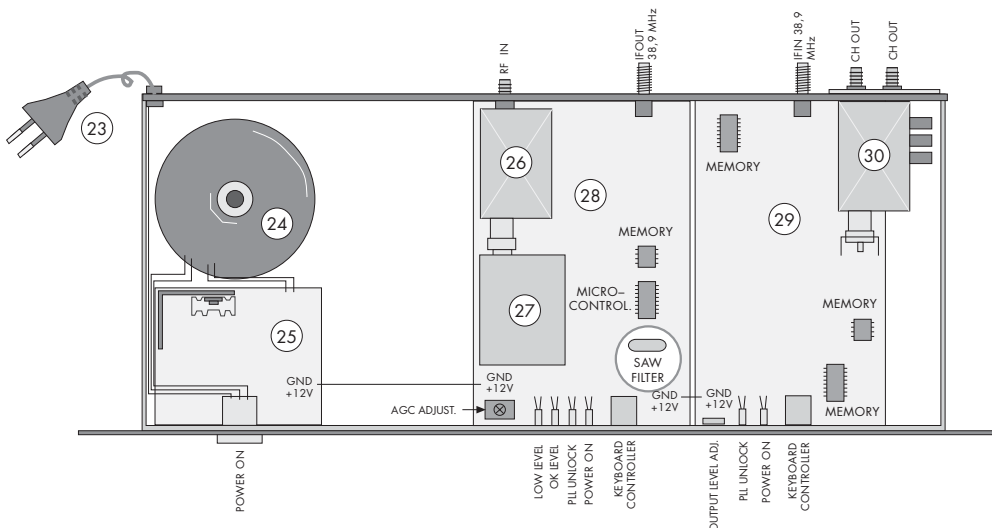
BACK PANEL



- | | |
|---|---|
| 13 Plug-in output channel filter (opt.) | 18 Optional area for input through linking filter |
| 14 IF input 38.9 MHz | 19 Area for DC power supply (not in use) |
| 15 Serial number label | 20 - |
| 16 IF output 38.9 MHz | 21 Ground |
| 17 Down converter, RF input, 45-870 MHz | 22 Mains connection (230 Vac or 110 Vac) |

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INTERNAL VIEW



- | |
|---|
| 23 Mains cord |
| 24 Transformer |
| 25 Switching power supply board |
| 26 Low noise input preamplifier |
| 27 Tuner |
| 28 TV down converter board |
| 29 TV up converter board |
| 30 Plug-in output channel filter (opt.) |



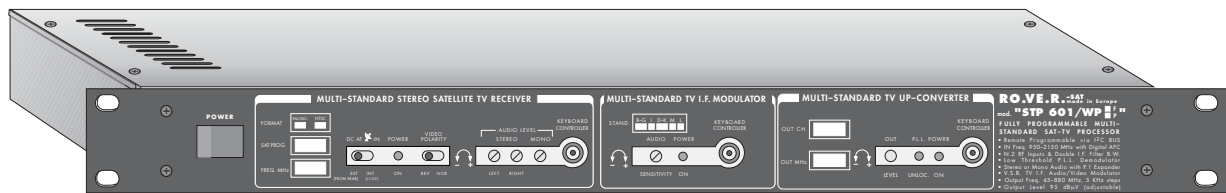
mod. "TSP 601/P"

FULLY PROGRAMMABLE MULTI-STANDARD
SATELLITE TELEVISION CHANNEL PROCESSOR

FOR ADJACENT CHANNELS UP TO 870 MHz

PRELIMINARY
INFORMATION

- REMOTE PROGRAMMABLE VIA I2C BUS
- INPUT FREQUENCY 950-2150 MHz WITH DIGITAL AFC
- N.2 RF INPUTS & DOUBLE I.F. FILTER B.W.
- LOW THRESHOLD P.L.L. DEMODULATOR
- BUILT-IN STEREO P.1 EXPANDER, HIGH AUDIO/VIDEO QUALITY
- ALL STANDARDS AVAILABLE (B-G-I-D-K-L-M-N)
- ADJACENT CHANNEL OPERATION IN ALL BANDS UP TO 870 MHz
- AUTOMATIC LEVEL CONTROL OF VIDEO MODULATION DEPTH (A.L.C.)
- CONVENIENT FRONT PANEL TUNING CONTROLS AND ADJUSTMENTS
- EXT. I.F. LOOP-THROUGH, ALLOWS SIGNAL REPLACEMENT WITH AN ALTERNATIVE I.F. SOURCE
- SAW FILTERED FOR OPTIMUM VESTIGIAL SIDE BAND CHARACTERISTICS
- PLUG-IN OUTPUT FILTER TO ASSURE THE BEST SPURIOUS REDUCTIONS
- 5 KHz FREQUENCY RESOLUTION FOR PRECISE CHANNEL ALLOCATIONS



TECHNICAL SPECIFICATIONS

SAT RECEIVER

RF

- **Input frequency:** 950-2150 MHz programmable
- **Programmable inputs:** N.2
- **Input impedance:** 75 Ω ("F" connectors)
- **Input level range:** -60/-20 dBm
- **Noise figure:** 12 dB (9 dB typ.)
- **I.F. bandwidth:** 27-32 MHz programmable
- **Dynamic threshold:** 5,5 dB C/N

VIDEO OUTPUT
FILTERED & CLAMPED

- **Bandwidth:** from 25 Hz to 5 MHz
- **Output level:** 1 VpV \pm 5% Programmable for 13-16-20-25 MHz video deviation
- **Energy dispersal removal:** 40 dB
- **Weighted S/N:** 60 dB
- **Output impedance:** 75 Ω ("RCA" connector)
- **Deemphasis:** 525 lines / 625 lines flat programmable
- **331 line intermodulation:** +3%
- **20T pulse intermodulation:** +4%
- **Chrominance/luminance delay:** -20 nS \pm 10 nS
- **Differential gain:** +5% \pm 2
- **Differential phase:** -1° \pm 2
- **20T pulse chroma sub-carrier amplitude:** -5% \pm 2

VIDEO OUTPUT
BASE BAND

- **Bandwidth:** from 25 Hz to 9 MHz
- **Output level:** 1 VpV \pm 5% Programmable for 13-16-20-25 MHz video deviation
- **Output impedance:** 75 Ω ("RCA" connector)

MONO AUDIO

- **Frequency:** from 4.5 to 8.5 programmable in 10 KHz steps
- **Output impedance:** \leq 40 Ω unbalanced ("RCA" connect)
- **Audio carrier filter:** 280 KHz
- **Bandwidth:** from 40 Hz to 15 KHz \pm 0.5 dB
- **Output level:** -16/+9dBm with 600 Ω load
- **Harmonic distortion:** 0.8% at 0 dBm
- **Weighted S/N:** 50 dB
- **De-emphasis:** 50 μ S - 75 μ S, J17 programmable
- **Max. load can be applied:** 600 Ω

STEREO AUDIO
WITH EXPANDER

- **Frequency:** from 4.5 to 8.5 programmable in 10 KHz steps
- **Output impedance:** unbalanced \leq 40 Ω ("RCA" conn.)
- **Audio carrier filter width:** 130 KHz p.p.
- **Bandwidth:** from 40 Hz 15 KHz \pm 0.5 dB
- **Output level:** -2/+9 dBm with 600 Ω load
- **Harmonic distortion:** 0.6%
- **Weighted S/N:** 68 dB
- **De-emphasis:** 75 μ S + P1 expander
- **Max. load can be applied:** 600 Ω

IF MODULATOR

RF

- **Output level:** 78 dB μ V \pm 2
- **Output impedance:** 75 Ω , "F" connector
- **Video carrier:** 38.9 MHz X.T.L. controlled
- **Audio carr.:** 4.5-5.5-6-6.5 programmable
- **Sound/picture carrier ratio:** 14/20 dB adj. (depending on the standard)
- **Saw filter with group delay pre-correction or flat** (depending on the standard)

VIDEO

- **Video level at input:** from 0.5 to 1.5 VpV (ALC)
- **Impedance:** 75 Ω ("RCA" connector)
- **Differential gain:** 3% (5 max.)
- **Differential phase:** 3° (5 max.)
- **Weighted S/N:** 62 dB
- **Chrom./lum. delay:** 40 nS \pm 10 nS
- **Modulation depth:** 87.5% (with automatic level control)
- **A/V carrier ratio:** 14/20 dB adj. (depending on the standard)
- **Video response:** 25 Hz, 5 MHz \pm 1 dB

AUDIO

- **Input level:** -6/+6 dBm (adjust.) left and right paralleled
- **Imp. impedance:** >10 K Ω ("RCA")
- **Audio freq. accuracy:** 1 KHz
- **Audio freq. response:** 20-20'000 Hz \pm 1 dB
- **Distortion:** 0.7% typ. (1 max.)
- **Weighted S/N:** 52 dB

UP CONVERTER

RF

- **Input frequency:** 38.9 MHz
- **Gain, IF to RF:** 18 dB \pm 3
- **Output frequency range:** 45-887 MHz programmable, 5 KHz steps
- **Frequency accuracy:** 1 KHz typ. (5 max.)
- **IN/OUT impedance:** 75 Ω ("F" connector)
- **BW:** 6-8 MHz (according to the standard)
- **Output level:** 95 dB μ V adjust.
- **Output ret. loss:** 16 dB typ. (12 min.)
- **Out spur. product:** 65 dB typ. (62 min.)

OTHERS

- **Power supply voltage:** 220 Vac or 110
- **RF connector:** "F" type
- **A/V connect.:** "RCA" (or BNC with adapter)
- **Operating temperature:** -25/+60°C
- **Relative humidity:** 90%
- **Dimensions:** 1 rack unit, 485 x 185 x 45 mm
- **Weight:** 2.1 Kg

OPTIONS

- **Plug-in output filter,** order separately according to the channel standard:
 - mod. "OCF 500/..." or
 - mod. "OCF 500/T..." (with traps)
- **Keyboard controller, mod. "KBC 600"** only one for all 600 series models

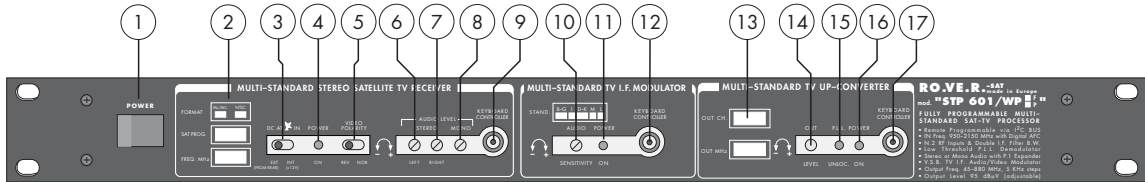
PRELIMINARY
INFORMATION

mod. "TSP 601/P"

FULLY PROGRAMMABLE MULTI-STANDARD SATELLITE TELEVISION CHANNEL PROCESSOR

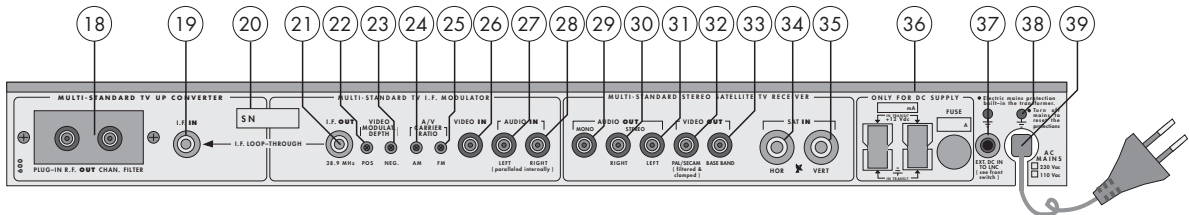
FOR ADJACENT CHANNELS UP TO 870 MHz

FRONT PANEL



- | | |
|---|---|
| <ul style="list-style-type: none"> 1 POWER ON key 2 Format, SAT program & freq. indication label 3 DC at RF IN switch: EXT (from back)/INT (12V) 4 Receiver "POWER ON" LED 5 Video polarity switch: reverse/normal 6 Left stereo audio level adjustment trimmer 7 Right stereo audio level adjustment trimmer 8 Mono audio level adjustment trimmer 9 "KBC", satellite receiver programmer connector | <ul style="list-style-type: none"> 10 Modulator audio sensitivity trimmer 11 Modulator "POWER ON" LED 12 "KBC", modulator programmer connector 13 Up-converter output channel & frequency label 14 Output level adjustment trimmer 15 Up-converter P.L.L. unlocked LED 16 Up-converter power on LED 17 "KBC", up-converter programmer connector |
|---|---|

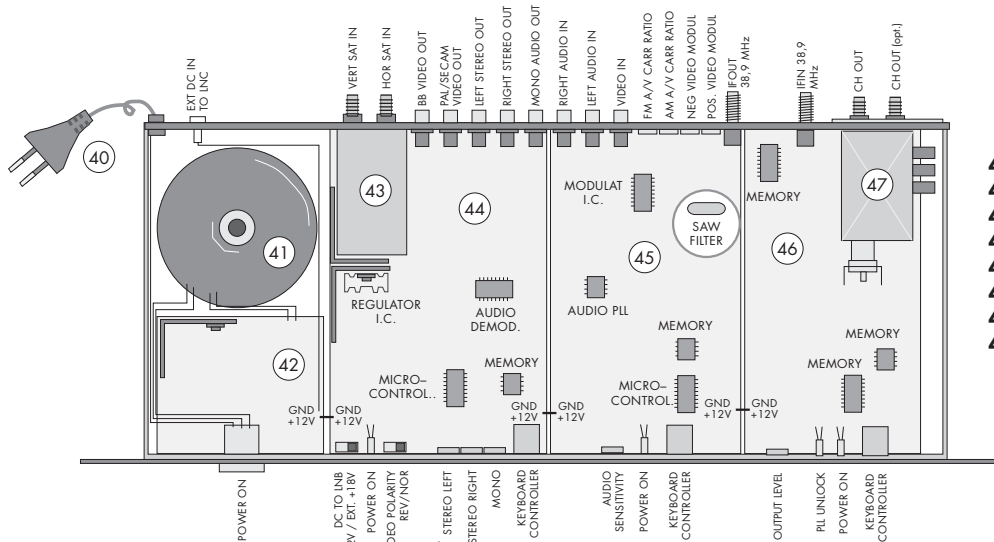
BACK PANEL



- | | |
|--|---|
| <ul style="list-style-type: none"> 18 Plug-in RF output channel filter (opt.) 19 IF input (38.9 MHz) 20 Serial number label 21 38.9 MHz I.F. modulator output ("F" connector) 22 Positive video modulation depth trimmer (opt.) 23 Negative video modulation depth trimmer 24 AM A/V carrier ratio trimmer (opt.) 25 FM A/V carrier ratio trimmer 26 Video input ("RCA" connector) 27 Left audio input ("RCA" connector) 28 Right audio input ("RCA" connector) | <ul style="list-style-type: none"> 29 Mono audio output ("RCA" connector) 30 Right stereo audio output ("RCA" conn.) 31 Left stereo audio output ("RCA" conn.) 32 PAL/SECAM video output ("RCA" connect) 33 Base Band video output ("RCA" connect) 34 Horizontal SAT signal input ("F" connector) 35 Vertical SAT signal input ("F" connector) 36 Area for DC power supply (not in use) 37 External DC input socket for LNC 38 Ground 39 Mains connection (230 Vac or 110 Vac) |
|--|---|

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INTERNAL VIEW

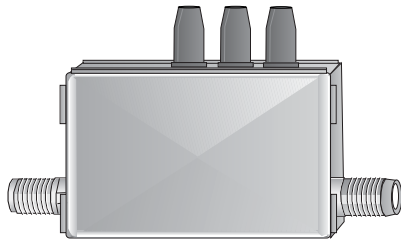


- 40 Mains cord
- 41 Transformer
- 42 Switching power supply board
- 43 Satellite tuner
- 44 Satellite receiver board
- 45 I.F. modulator board
- 46 Up-converter board
- 47 Plug-in RF output filter (opt.)

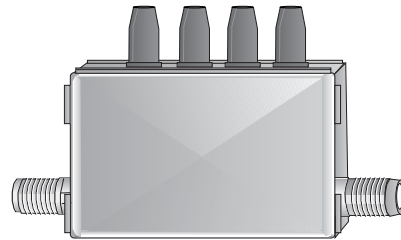


mod. "OCF 500/..."

VHF & UHF FAMILY OF FILTERS WITH HIGH SELECTIVITY FOR CATV HEAD-ENDS
WITH 1 INPUT & 1 OUTPUT, SUPPLIED ONLY ADJUSTED TO A SPECIFIC CHANNEL, WITH OR WITHOUT TRAP



mod. "OCF 500/..."
VHF/UHF



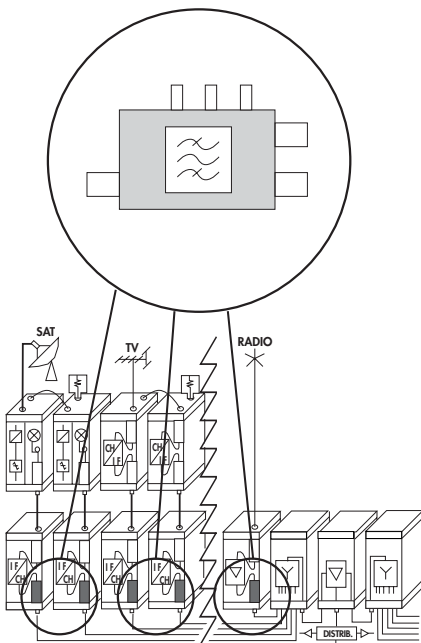
mod. "OCF 500/T..."
VHF/UHF

- ALL BANDS UP TO 870 MHz
- AVAILABLE IN ALL STANDARDS: B, G, I, D, K, M, L

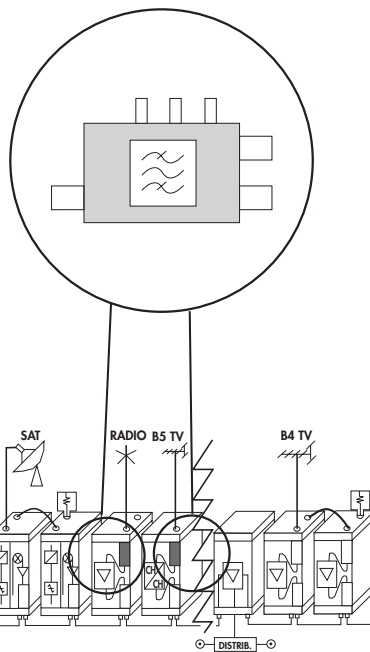
- EASY TO READJUST USING RO.VE.R. MEASURING INSTRUMENTS

- CAN BE INSERTED IN THE CONVERTERS, MODULATORS, PROCESSORS AND AMPLIFIERS DIRECTLY AT THE TIME OF SALE

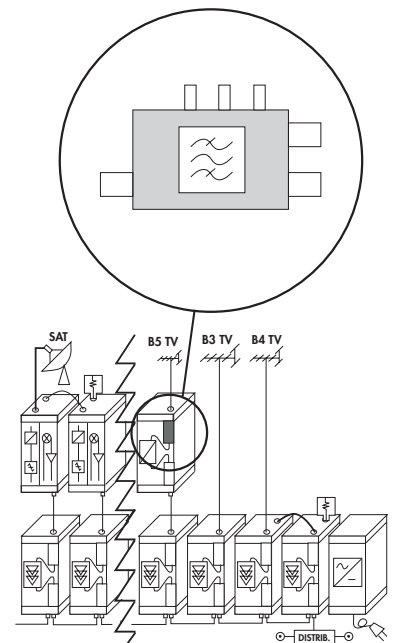
INSTALLATION EXAMPLE



ADJACENT CHANNEL CATV HEAD-END, UP TO 870 MHz, >60 dB SPURIOUS FREE



ALTERNATE CHANNEL SMATV HEAD-END WITH VHF-UHF WIDE BAND POWER AMPLIFIER



LOW COST ALTERNATE CH. SMATV HEAD-END WITH HIGH GAIN & HIGH LEVEL CH. AMPLIFIER

REDUCE DELIVERY TIME & STOCK, INCREASE AVAILABILITY & PRODUCT RANGE, WITH THE PLUG-IN FILTER TECHNIQUE

THE REVOLUTIONARY PLUG-IN FILTER TECHNIQUE ALLOWS YOU TO HAVE IN STOCK ONLY ONE UNIVERSAL MODEL FOR EACH FAMILY OF PRODUCTS AND QUICKLY ADAPT IT TO ANY CHANNEL BY SIMPLY INSERTING THE IN-OUT PLUG-IN CH. FILTERS. THE PLUG-IN

CH. FILTERS ARE THE SAME FOR ALL FAMILIES OF PRODUCTS. THE CHANNEL FILTERS ARE ONLY SUPPLIED ADJUSTED FOR ANY TV OR CABLE BAND OF ANY TV STANDARD AND THEY ARE QUITE EASY TO READJUST USING RO.VE.R. INSTRUMENTS SUCH AS THE MULTI-

FUNCTION CATV/SMATV ANALYZER. THE PLUG-IN FILTERS CAN BE INSERTED IN THE SYNTHESIZED CHANNEL CONVERTER AND A/V MODULATORS; IN THE CHANNEL PROCESSOR AND CHANNEL AMPLIFIER, DIRECTLY AT THE TIME OF SALE.

mod. "OCF 500/..."

VHF & UHF FAMILY OF FILTERS WITH HIGH SELECTIVITY FOR CATV HEAD-ENDS
WITH 1 INPUT & 1 OUTPUT, SUPPLIED ONLY ADJUSTED TO A SPECIFIC CHANNEL, WITH OR WITHOUT TRAP

TECHNICAL SPECIFICATIONS

RF

- **IN-OUT frequency:**
46-870 MHz
(40 MHz on request)
- **Bandwidth at -3 dB:**
6-7 or 8 MHz
(according to the standard)
- **Selectivity:**
VHF ± 7 MHz = -12 dB
 ± 14 MHz \leq -30 dB
UHF ± 8 MHz = -20 dB
 ± 16 MHz \leq -30 dB
- **Insertion loss:**
VHF = 4 - 5 dB
UHF = 4 - 5 dB
- **Return loss:**
VHF = 14 dB typ. (12 min.)
UHF = 16 dB typ. (12 min.)
- **Impedance:**
75 Ω ("F" connector)

OTHERS

- **External plating of metal box:**
all models with silver plate
- **Operating temperature:**
from -25 to +60°C
- **Relative humidity:** $\geq 90\%$
- **Dimensions:**
H: 42 x W: 76 x D: 20 mm
- **Weight:** 60 g

FREQUENCY TABLE

High selectivity filters, with 1 input and 1 output:

mod. OCF 500/A-01	49-65 MHz
mod. OCF 500/A-02	77-107 MHz
mod. OCF 500/FM-03	88-108 MHz
mod. OCF 500/A-03S	108-129 MHz
mod. OCF 500/A-04	130-160 MHz
mod. OCF 500/A-05	165-220 MHz

mod. OCF 500/A-06	225-380 MHz
mod. OCF 500/A-07	390-465 MHz
mod. OCF 500/A-08	470-600 MHz
mod. OCF 500/A-10	600-880 MHz

The "OCF 500/TA..." is also available and includes a channel trap with 10/18 dB atten.:

mod. OCF 500/TA-01	49-65 MHz
mod. OCF 500/TA-02	77-107 MHz
mod. OCF 500/TA-03S	108-129 MHz
mod. OCF 500/TA-04	130-160 MHz
mod. OCF 500/TA-05	165-220 MHz
mod. OCF 500/TA-06	225-380 MHz
mod. OCF 500/TA-07	390-465 MHz
mod. OCF 500/TA-08	470-600 MHz
mod. OCF 500/TA-10	600-880 MHz

The "OCF 500/A..." and "OCF 500/TA..." may only be ordered adjusted *

* always specify the channel when ordering (and trap frequency rejection)

INSIDE VIEWS

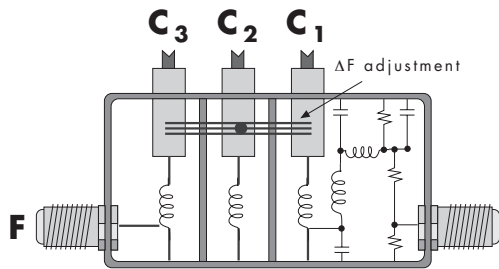


Fig. 1: **B I**

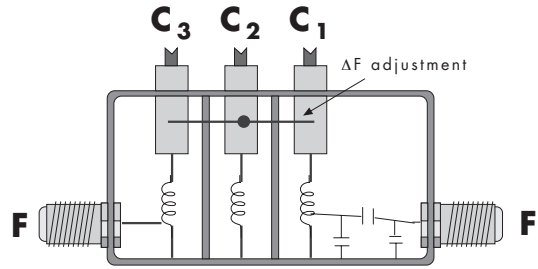


Fig. 2: **B III**

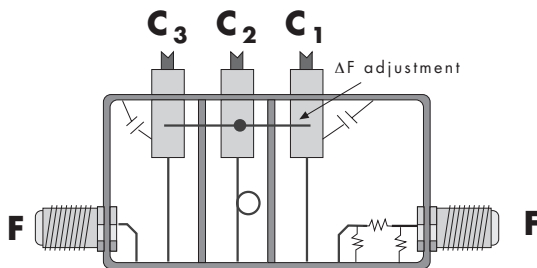


Fig. 3: **B IV**

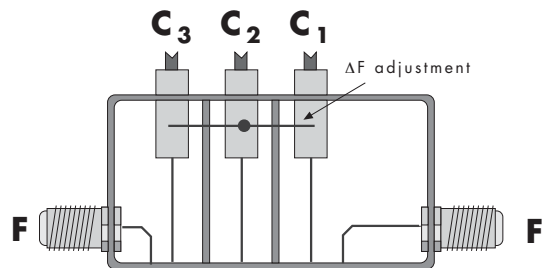


Fig. 4: **B V**